

PATENT COOPERATION TREATY

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REC'D	16	AUG	2004
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	T					
deslor_101	FOR FURTHER ACTION	CTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/mon	th/year) Priority Date (day/month/year)				
PCT/IN 2003/000156	16 April 2003 (16.04.200	3) 15 April 2002 (15.04.2002)				
International Patent Classification (IPC) or na	tional classification and IPC					
IPC ⁷ : C07D 401/04, A61K 31/43	IPC ⁷ : C07D 401/04, A61K 31/435					
Applicant SUN PHARMACEUTICAL INDUS	Applicant SUN PHARMACEUTICAL INDUSTRIES LIMITED					
	1. This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total	This REPORT consists of a total of sheets, including this cover sheet.					
amended and are the basis	This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a total of	sheets.	•				
3. This report contains indications re	lating to the following items:					
I. Basis of the opi	I. Basis of the opinion					
II. Priority						
III. Non-establishm	ent of opinion with regard to no	velty, inventive step and industrial applicability				
IV. Lack of unity o	finvention					
·	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI. Certain docume	VI. Certain documents cited					
VII. Certain defects in the international application						
VIII. Certain observa	tions on the international applic	ation				
Date of submission of the demand		of completion of this report				
23.10.200	3	19 July 2004 (19.07.2004)				
Name and mailing address of the IPEA/AT		norized officer				
Austrian Patent Office Dresdner Straße 87		SLABY S.				
A-1200 Vienna		OLADIO.				
R-1200 Vienna Facsimile No. 1/53424/200		phone No. 1/53424/348				

Form PCT/IPEA/409 (cover sheet) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IN 2003/000156

I.		Basis of the report
1.	Wi	th regard to the elements of the international application:*
	\boxtimes	
1		the description:
-		pages, as originally filed
		pages, filed with the demand
]		pages, filed with the letter of
1		the claims:
	ш	······································
l		pages, as originally filed
i		pages, as amended (together with any statement) under Article 19 pages, filed with the demand
		pages, filed with the letter of
1		
	LJ	the drawings:
		pages, as originally filed
		pages, filed with the demand
		pages, filed with the letter of
		the sequence listing part of the description:
		pages, as originally filed
		pages, filed with the demand
		pages, filed with the letter of
2.		o regard to the language, all the elements marked above were available or furnished to this Authority in the language in the international application was filed, unless otherwise indicated under this item. Se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international minary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
	_	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of:
	{	the description, pages
	[the claims, Nos.
	[the drawings, sheets/fig
		his report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
* Re in 70	place	ment sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to eport as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and
* A1). Iy repi	lacement sheet containing such amendments must be unfamily
orm	PCT/	lacement sheet containing such amendments must be referred to under item 1 and annexed to this report. IPEA/409 (Box I) (July 1998))

INTERNATIONAL PRELIMINARY EXAMINATION REPORT-

International application No. PCT/IN 2003/000156

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Claims	8-21	YES		
Claims	1-7	NO		
Claims	8-21 81	YES		
		•		
Claims	1-7	NO		
Claims	1-21	YES		
Claims		NO		
.7)				
	Claims Claims Claims Claims Claims	Claims 8-21 Claims 8-21 Claims 8-21 Claims 1-7 Claims 1-7 Claims 1-7 Claims 1-21		

The following documents have been cited in the Search Report:

D1: WO 85/03707 A1 D2: WO 99/01450 A1 D3: WO 02/42290 A1

The present application relates to substantially pure deslorated ine (claims 1-7) and methods for the preparation thereof (claims 8-21).

D1 and D2 describe the preparation of pure desloratedine. Though D1 and D2 do not disclose characterisation of the product with HPLC, as in the present case, desloratedine of D1 and D2 can be acknowledged as pure:

It is common general knowledge that any chemical compound obtained by a chemical reaction would normally contain impurities for various reasons and that it is not possible for thermodynamical reasons to obtain a compound, which is – in the strict sense – completely pure. It is, therefore, common practice for a person skilled in the art of preparative chemistry to purify a compound obtained in a particular chemical manufacturing process according to the prevailing needs and requirements. Conventional methods for the purification of low molecular organic reaction products, which could normally be successfully applied in purification steps, are within the common general knowledge. It follows that a document disclosing a low molecular chemical compound and its manufacture make this compound available to the public in all grades of purity as desired by a person skilled in the art.

Additionally D2 discloses polymorphs of desloratedine which have a Purity of 100% (examples 2-4).

Therefore claims 1-7 cannot regarded as novel in the sense of Article 33 (2) PCT.

Since none of the cited documents D1-D3 discloses all essential and characteristic features of the present claims 7-21, the subject matter of these claims is regarded to meet the requirement of novelty (Article 33 (2) PCT) and though the subject matter of the



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national application No. PCT/ IN 03/00156

Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)						
Continuation of: Box V (page 1)						
present the present claims 7-21 cannot be regarded as obvious, inventive step is acknowledged (Article 33 (3) PCT).						
Industrial applicability is given.						
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